

SYSTEMS AND METHODS FOR LOCATING AND TRACKING
A WIRELESS DEVICE

ABSTRACT

Systems and methods for locating and tracking a wireless device including a database remotely located from the wireless device, the database operable for receiving and storing position information from the wireless device at a predetermined interval.

- 5 The systems and methods also including a wireless network operable for communicating the position information from the wireless device to the database and a first algorithm operable for providing the position information upon request. The systems and methods further including a second algorithm allowing modification of the predetermined interval, a third algorithm operable for associating a landmark with the position information, a
- 10 fourth algorithm operable for causing the position of the wireless device to be determined locally at the predetermined interval, a fifth algorithm operable for causing the position information to be stored locally within the wireless device, and a sixth algorithm operable for causing the position information to be communicated to the database via the wireless network when the battery power of the wireless device reaches a predetermined level.
- 15 The position information is provided to a user via a land-line phone and a public switched telephone network (PSTN), a finding wireless device and the wireless network, or a personal computer (PC) and a globally-distributed computer network. The position information is provided to the user in the form of a voice synthetic message, a text message, or a graphical display.